# RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: _____10/578, 181_____

Source: _____PCT_____

Date Processed by STIC: _____01/05/2006_____

# *ENTERED*

RAW SEQUENCE LISTING                    DATE: 01/05/2006
PATENT APPLICATION:  US/10/518,181      TIME: 11:04:34

Input Set  : A:\07947.ST25.txt
Output Set: N:\CRF4\01052006\J518181.raw

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 3 <110> APPLICANT: The Regents of the University of California
 5 <120> TITLE OF INVENTION: Methods for Inhibiting Angiogenesis, Cell Migration, Cell
 6       Adhesion, and Cell Survival
 8 <130> FILE REFERENCE: UCSD-07947
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/518,181
C--> 10 <141> CURRENT FILING DATE: 2004-12-15
10 <160> NUMBER OF SEQ ID NOS: 116
12 <170> SOFTWARE: PatentIn version 3.2
14 <210> SEQ ID NO: 1
15 <211> LENGTH: 68
16 <212> TYPE: DNA
17 <213> ORGANISM: Artificial Sequence
19 <220> FEATURE:
20 <223> OTHER INFORMATION: Synthetic
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25 cattgtat                                                               68
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29 <211> LENGTH: 102
30 <212> TYPE: PRT
31 <213> ORGANISM: Artificial Sequence
33 <220> FEATURE:
34 <223> OTHER INFORMATION: Synthetic
36 <400> SEQUENCE: 2
38 Asp Thr Val Lys Val Met Val Val Met Leu Ala Ile Cys Phe Leu Ala
39 1               5                   10                  15
42 Arg Ser Asp Gly Lys Pro Val Lys Lys Arg Ser Val Ser Glu Ile Gln
43              20                  25                  30
46 Leu Met His Asn Leu Gly Lys His Leu Ser Ser Leu Glu Arg Val Glu
47          35                  40                  45
50 Trp Leu Arg Lys Lys Leu Gln Asp Val His Asn Phe Val Val Leu Gly
51      50                  55                  60
54 Ala Ser Ile Val His Arg Asp Gly Gly Ser Gln Arg Pro Pro Lys Lys
55 65                  70                  75                  80
58 Glu Asp Asn Val Leu Val Glu Ser His Gln Lys Ser Leu Gly Glu Ala
59              85                  90                  95
62 Asp Lys Ala Ala Val Gly
63              100
66 <210> SEQ ID NO: 3
67 <211> LENGTH: 306
68 <212> TYPE: DNA
69 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
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72 <223> OTHER INFORMATION: Synthetic
74 <400> SEQUENCE: 3
75 gacacagtta aagtaatggt tgtcatgctt gcaatttgtt ttcttgcaag atcagatggg      60
77 aagcctgtta agaagagatc tgtgagtgaa atacagctta tgcataacct gggcaaacac     120
79 ctgagctctc tggagagagt ggaatggctg cgaaagaagc tgcaggatgt gcacaacttt     180
81 gttgttctcg gagcttctat agttcacaga gatggtggtt cccagagacc cccaaaaaag     240
83 gaagacaatg tcctagttga gagccatcaa aaaagtctcg gagaagcaga taaagctgct     300
85 gtgggg                                                               306
88 <210> SEQ ID NO: 4
89 <211> LENGTH: 67
90 <212> TYPE: PRT
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Synthetic
96 <400> SEQUENCE: 4
98 Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His Asn
99 1               5                   10                  15
102 Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser Gln
103             20                  25                  30
106 Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu Lys
107         35                  40                  45
110 Ser Leu Gly Glu Ala Asp Lys Ala Asp Val Asn Val Leu Thr Lys Ala
111     50                  55                  60
114 Lys Ser Gln
115 65
118 <210> SEQ ID NO: 5
119 <211> LENGTH: 290
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Synthetic
126 <400> SEQUENCE: 5
127 aattctgtaa gggatccaag aagagatcgg tttctgagat ccaattgatg cataacttgg      60
129 gtaagcactt gaactctatg gaaagagttg aatggttgag aaagaagctg caggacgttc     120
131 acaacttcgt tgctttggga gctccattgg ctccaagaga cgctggttct caaagaccaa     180
133 gaaagaagga agacaacgtt ttggttgaat ctcacgaaaa gtctttgggt gaagctgaca     240
135 aggctgacgt taacgtgtta actaaggcta aatcgcaata aagatcttga               290
138 <210> SEQ ID NO: 6
139 <211> LENGTH: 120
140 <212> TYPE: DNA
141 <213> ORGANISM: Homo sapiens
143 <400> SEQUENCE: 6
144 aggagctcca agggcaacaa aattgtgcac atcctgcagc ttcttacgca gccattctac      60
146 tctctccatc gagttcagat gttttcccag gttatgcata agctgtattt cactcacaga     120
149 <210> SEQ ID NO: 7
150 <211> LENGTH: 116
151 <212> TYPE: DNA
152 <213> ORGANISM: Homo sapiens
154 <400> SEQUENCE: 7

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155 gagtcatcat ccatttccca ttttccctct ccatccacaa gcatatactc aatattcagt     60
157 cttttttttt tttttttttg agacagggtc tcactctgtc gcccaggctg gagtac        116
160 <210> SEQ ID NO: 8
161 <211> LENGTH: 115
162 <212> TYPE: PRT
163 <213> ORGANISM: Homo sapiens
165 <400> SEQUENCE: 8
167 Met Ile Pro Ala Lys Asp Met Ala Lys Val Met Ile Val Met Leu Ala
168  1               5                   10                  15
171 Ile Cys Phe Leu Thr Lys Ser Asp Gly Lys Ser Val Lys Lys Arg Ser
172              20                  25                  30
175 Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn Ser
176          35                  40                  45
179 Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His Asn
180      50                  55                  60
183 Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser Gln
184 65                  70                  75                  80
187 Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu Lys
188              85                  90                  95
191 Ser Leu Gly Glu Ala Asp Lys Ala Asp Val Asn Val Leu Thr Lys Ala
192              100                 105                 110
195 Lys Ser Gln
196          115
199 <210> SEQ ID NO: 9
200 <211> LENGTH: 772
201 <212> TYPE: DNA
202 <213> ORGANISM: Homo sapiens
204 <400> SEQUENCE: 9
205 tgtctttagt ttactcagca tcagctacta acatacctga acgaagatct tgttctaaga     60
207 cattgtatgt gaagatgata cctgcaaaag acatggctaa agttatgatt gtcatgttgg    120
209 caatttgttt tcttacaaaa tcggatggga aatctgttaa gaagagatct gtgagtgaaa    180
211 tacagcttat gcataacctg ggaaaacatc tgaactcgat ggagagagta gaatggctgc    240
213 gtaagaagct gcaggatgtg cacaattttg ttgcccttgg agctcctcta gctcccagag    300
215 atgctggttc ccagaggccc cgaaaaaagg aagacaatgt cttggttgag agccatgaaa    360
217 aaagtcttgg agaggcagac aaagctgatg tgaatgtatt aactaaagct aaatcccagt    420
219 gaaaatgaaa acagatattg tcagagttct gctctagaca gtgtagggca acaatacatg    480
221 ctgctaattc aaagctctat taagatttcc aagtgccaat atttctgata taacaaacta    540
223 catgtaatcc atcactagcc atgataactg caattttaat tgattattct gattccactt    600
225 ttattcattt gagttatttt aattatcttt tctattgttt attcttttta aagtatgtta    660
227 ttgcataatt tataaagaa taaaattcga ctttaaacc tctcttctac cttaaaatgt    720
229 aaaacaaaaa tgtaatgatc ataagtctaa ataaatgaag tatttctcac tc            772
232 <210> SEQ ID NO: 10
233 <211> LENGTH: 27
234 <212> TYPE: DNA
235 <213> ORGANISM: Unknown
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Synthetic
240 <400> SEQUENCE: 10
241 gatcctcatt actgggattt agcttta                                        27
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Input Set : A:\07947.ST25.txt
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244 <210> SEQ ID NO: 11
245 <211> LENGTH: 42
246 <212> TYPE: DNA
247 <213> ORGANISM: Unknown
249 <220> FEATURE:
250 <223> OTHER INFORMATION: Synthetic
252 <400> SEQUENCE: 11
253 tgaaaaatcc ctaggcgagg cagacaaggc cgatgtgaat gt                    42
256 <210> SEQ ID NO: 12
257 <211> LENGTH: 263
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Synthetic
264 <400> SEQUENCE: 12
265 tatgtctgtg tccgagattc agttaatgca taaccttggc aaacatttga actccatgga    60
267 gcgtgtagaa tggctgcgta agaagttgca ggatgtgcac aattttgttg ccttaggtgc   120
269 cccattggct cctcgtgatg ctggttccca aagaccacgt aaaaaggaag acaatgtctt   180
271 agttgagagc catgaaaaat ccctaggcga ggcagacaag gccgatgtga atgtattaac   240
273 taaagctaaa tcccagtaat gag                                          263
276 <210> SEQ ID NO: 13
277 <211> LENGTH: 614
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Synthetic
284 <400> SEQUENCE: 13
285 tttgagtgag aaatacttca tttatttaga cttatgatca ttacattttt gttttacatt    60
287 ttaaggtaga agagaggttt aaaagtcgaa ttttattctt ttataaatta tgcaataaca   120
289 tactttaaaa agaataaaca atagaaaaga taattaaaat aactcaaatg aataaaagtg   180
291 gaatcagaat aatcaattaa aattgcagtt atcatggcta gtgatggatt acatgtagtt   240
293 tgttatatca gaaatattgg cacttggaaa tcttaataga gctttgaatt agcagcatgt   300
295 attgttgccc tacactgtct agagcagaac tctgacaata tctgttttca ttttcactgg   360
297 gatttagctt tagttaatac attcacatca gctttgtctg cctctccaag acttttttca   420
299 tggctctcaa ccaagacatt gtcttccttt tttcggggcc tctgggaacc agcatctctg   480
301 ggagctagag gagctccaag ggcaacaaaa ttgtgcacat cctgcagctt cttacgcagc   540
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305 ctcacagatc tctt                                                   614
308 <210> SEQ ID NO: 14
309 <211> LENGTH: 68
310 <212> TYPE: DNA
311 <213> ORGANISM: Unknown
313 <220> FEATURE:
314 <223> OTHER INFORMATION: Synthetic
316 <400> SEQUENCE: 14
317 atacaatgtc ttagaacaag atcttcgttc aggtatgtta gtagctgatg ctgagtaaac    60
319 taaagaca                                                           68
322 <210> SEQ ID NO: 15
323 <211> LENGTH: 115

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324 <212> TYPE: PRT
325 <213> ORGANISM: Homo sapiens
327 <400> SEQUENCE: 15
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333 Ile Cys Phe Leu Thr Lys Ser Asp Gly Lys Ser Val Lys Lys Arg Ser
334             20                  25                  30
337 Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn Ser
338         35                  40                  45
341 Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His Asn
342     50                  55                  60
345 Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser Gln
346 65                  70                  75                  80
349 Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu Lys
350             85                  90                  95
353 Ser Leu Gly Glu Ala Asp Lys Ala Asp Val Asn Val Leu Thr Lys Ala
354             100                 105                 110
357 Lys Ser Gln
358         115
361 <210> SEQ ID NO: 16
362 <211> LENGTH: 1156
363 <212> TYPE: DNA
364 <213> ORGANISM: Homo sapiens
366 <400> SEQUENCE: 16
367 aagcttctcg tgaaaaccaa cccaattagt tagtattgca ttctgtgtac tatagtttgg    60
369 aatattaaaa atattttaaa atacctccat tttgcttatc cttttagtga agatgatacc   120
371 tgcaaaagac atggctaaag ttatgattgt catgttggca atttgttttc ttacaaaatc   180
373 ggatgggaaa tctgttaagt aagtactgtt ttgccttgga attggatttt taatgttgac   240
375 tttatcattt cgaagtgggg agctaatggg aagtggccct ctctgtttct cttcttccca   300
377 ggaagagatc tgtgagtgaa atacagctta tgcataacct gggaaaacat ctgaactcga   360
379 tggagagagt agaatggctg cgtaagaagc tgcaggatgt gcacaatttt gttgcccttg   420
381 gagctcctct agctcccaga gatgctggtt cccagaggcc ccgaaaaaag aagacaatg    480
383 tcttggttga gagccatgaa aaaagtcttg gagaggcaga caaagctgat gtgaatgtat   540
385 taactaaagc taaatcccag tgaaaatgaa aacagatatt gtcagagttc tgctctagac   600
387 agtgtagggc aacaatacat gctgctaatt caaagctcta ttaagatttc caagtgccaa   660
389 tatttctgat ataacaaact acatgtaatc catcactagc catgataact gcaattttaa   720
391 ttgattattc tgattccact tttattcatt tgagttattt taattatctt ttctattgtt   780
393 tattcttttt aaagtatgtt attgcataat ttataaaaga ataaaattgc acttttaaac   840
395 ctctcttcta ccttaaaatg taaaacaaaa atgtaatgat cataagtcta aataaatgaa   900
397 gtatttctca ctcattgcaa gtatatcttt ttggttatca ctgataccca catgtttaca   960
399 ttgatcatga ctaggtagaa caatacaaag tattttttta gtcatgtgtt tcacatttgg  1020
401 atattttgaa catcaacgtt ttagtattac caaagtatta ggtttccaaa tcttcactag  1080
403 ctcaatactg ttgtcctttt ggtttcagga aaggaaataa aatgctcagc aaaaaaaggg  1140
405 ggcataaaag tggacc                                                  1156
408 <210> SEQ ID NO: 17
409 <211> LENGTH: 526
410 <212> TYPE: DNA
411 <213> ORGANISM: Homo sapiens
413 <400> SEQUENCE: 17
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RAW SEQUENCE LISTING ERROR SUMMARY     DATE: 01/05/2006
PATENT APPLICATION:  US/10/518,181     TIME: 11:04:35

Input Set : A:\07947.ST25.txt
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**Please Note:**
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one, n or Xaa.

Seq#:45; N Pos. 426,427,428,429,430,438,439,440,441,442,443,449,450,451,492
Seq#:45; N Pos. 493,494
Seq#:90; N Pos. 8,23,32,48,59
Seq#:114; Xaa Pos. 10

**VERIFICATION SUMMARY**                DATE: 01/05/2006
PATENT APPLICATION:  **US/10/518,181**     TIME: 11:04:35

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L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:1553 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:420
L:1555 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:480
L:4242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90 after pos.:0
L:5604 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114 after pos.:0